



St. Anthony's Medical Center
Radiation Oncology Department
10010 Kennerly Road
St. Louis, MO 63128
Phone: 314-525-1688
Fax: 314-525-1689

Eric J. Sutphen, M.D.
John H. Bechtel, M.D.
Radiation Oncologists

David Keys, Ph.D.
Elizabeth Caspari, M.S.
Radiological Physicists

To: Sarah Forster	Fax: 630-515-1078
From: David Keys, PhD	Date: 5/17/11
Re: Control 574586	Pages: 3
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MESSAGE:

Hannibal Rag Hosp License Renewal
Rev 1

Hannibal Regional Hospital
NRC 24-18988-01 License Renewal
February 21, 2011

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ITEM 7: AUTHORIZED USERS (AUs)

Authorized Users	Material and Use	Named on NRC License
Joel D. Hassein, M.D.	10 CFR 35.100, and 35.200	24-18988-01
Joseph Bean, M.D.	10 CFR 35.300	24-18988-01
Charles Heggen, M.D.	10 CFR 35.100, 35.200, and oral administration of sodium iodide I-131 in quantities less than or equal to 30 millicuries	24-18988-01
Jada Anderson, M.D.	10 CFR 35.100, and 35.200	

ITEM 9: FACILITIES AND EQUIPMENT

Facilities and equipment shall be adequate to protect health and minimize danger to life or property. Facilities shall be provided such that the maximum radiation exposure to the adult occupational worker meets 10 CFR Part 20.1201 and the radiation exposure to the general public meets 10 CFR Part 20.1301. Equipment utilized for imaging and/or therapy shall be designed as appropriate for the use intended.

ITEM 9: FACILITY DIAGRAM

Please see:

Attachment A - Nuclear Medicine Facility Diagram (35.100, 35.200, and 35.300 activity)

ITEM 9: RADIATION MONITORING INSTRUMENTS

Hannibal Regional Hospital shall possess calibrated radiation detection and measuring instruments that will be used for radiation protection, including survey and monitoring instruments and quantitative measuring instruments needed to monitor the adequacy of radioactive materials containment and contamination control. Hannibal Regional Hospital shall follow Appendix K of NUREG 1556-9, Rev 2 published January 2008 regarding appropriate instrumentation and model survey instrument calibration procedures to meet the requirements detailed in 10 CFR 35.61.

Radiation monitoring instruments will be calibrated by a person qualified to perform survey meter calibrations.

Current instrumentation includes:

Ludlum 5 geiger meter, range 0.01 – 1000 mR/hr
Eberline E-120 geiger meter, range 0.02 - 50 mR/hr

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Ludlum 2200 scaler, well counter

These instruments will be used to perform required surveys.

We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used.

ITEM 9: DOSE CALIBRATOR AND OTHER EQUIPMENT USED TO MEASURE DOSAGES OF UNSEALED BYPRODUCT MATERIAL

Hannibal Regional Hospital utilizes unit doses provided by the manufacturer. Hannibal Regional Hospital relies on the manufacturer's calibration for such unit doses. The dosage in kits which are made at the hospital are measured using a dedicated Dose Calibrator, currently a Capintec CRC 35R dose calibrator.

Equipment used to measure dosages will be calibrated in accordance with nationally recognized standards or the manufacturer's instructions.

Other Sites:

Sentinel Lymph Node Biopsies will be performed in Operating Room Suites 1 - 4, first floor. See Attachment B.

ITEM 10: OCCUPATIONAL DOSE

Either we will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry badges that meets the requirements listed under "Criteria" in NUREG-1556, Vol. 9, Rev 2, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licensees," dated January 2008.

ITEM 10: AREA SURVEYS

We have developed and will implement and maintain written procedures for area surveys in accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

ITEM 10: SAFE USE OF UNSEALED LICENSED MATERIAL

We have developed and will implement and maintain procedures for safe use of unscaled byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.